

**AMENDMENT TO THE CLAIMS:**

*The following listing of the claims replaces all prior claim listings and versions:*

1. (Currently Amended) A packet Packet processing method using a multiple fault tolerant network structure including dual nodes connected as a ring shape separately having two input lines and two output lines, wherein the one a first output line of the two output lines of each node is connected to an input line of an adjacent node, anotherthe other output line of the two output lines of each node is connected to an input line of a node next to the adjacent node, the each node selects one a received packet after receiving two inputs and packets, and disuses the other another received packet of the two received packets, and transmits the select packet through the two output lines at the same time, the method comprising:

receiving the packet through a first the input line operating normally after checking the input lines:

transmitting the packet to a host associated with the node, when the node is an object node of the received packet;

disusing the received packet when the object node of the received packet is the a node adjacent to the node, after checking the packet to determine if whether the adjacent node is the object node of the received packet; and

transmitting the two duplicated packets through the two output lines, when the object node of the received packet is not the adjacent node.

2. (Currently Amended) The packet processing method ~~using the multiple fault tolerant network structure~~ according to claim 1, wherein the receiving process checks the first input line connected to an the adjacent transmitting node, and then checks the other input line connected to a node next to the adjacent transmitting node when a functioning of the input line connected to the adjacent transmitting node is not the normal.

3. (Currently Amended) The packet processing method ~~using the multiple fault tolerant network structure~~ according to claim 1, wherein the node comprises:

two input ports connected to the input lines;  
a packet select means for checking whether the packet is normal by receiving the packet from the two input ports;  
a packet judgement means for judging the object node of the packet selected by the packet select means, and transmitting the packet it to a host connection port portion or to an output port;

the host connection port for transmitting the packet to the host after receiving the packet from the packet judgement means; and

the two output ports for receiving the packet from the packet judgement means and transmitting the packet it to the first output line of the two output lines.

4. (Currently Amended) The packet processing method ~~using the multiple fault tolerant network structure~~ according to claim 3, wherein the packet select means checks the first input line connected to the input port of between the two input ports and judges it whether the first input line is normal, when the first input line connected to the adjacent node

is judged as normal, it receives the packet from the first input line, and or when the first input line is judged as abnormal, it checks the other input line connected to the node next to the adjacent node, and it receives the packet from the other input line when the other input line is judged as normal, or it does not receive the packet when the other input line is judged as abnormal.

5. (Currently Amended) The packet processing method ~~using the multiple fault tolerant network structure~~ according to claim 3, wherein packet judgement means checks the object node of the packet transmitted by the packet select means, such that when the object node of the packet is the node, the packet is transmitted to the host connection portion, when the object node of the packet is not the node but the adjacent node, the packet is disused, and when the object node of the packet is neither the node nor the adjacent node, the packet is transmitted to the output port.